

SCFA/DDFA Midyear Review

March 5-7, 2002
Hilton Salt Lake City Center
Salt Lake City, UT

Monday, March 4	
3:00 – 6:00 pm	Registration (Foyer Outside Alpine Ballrooms)
	Poster set-up (Alpine West Ballroom)

Tuesday, March 5		
Alpine East Ballroom		
7:00 – 8:00 am	Continental Breakfast and Registration	
Joint Plenary Session Between SCFA and DDFA		
8:00 – 8:05 am	Ground Rules	Louise Dressen
8:05 – 8:10 am	Welcome	Jim Wright Bob Bedick
8:10 – 9:10 am	Overview and Vision for Science and Technology	Gerald Boyd
9:10 – 9:30 am	Overview and Vision of SCFA Program	Jim Wright
9:30 – 9:50 am	Overview and Vision of DDFA Program	Bob Bedick
9:50 – 10:30 am	New Thrust Panel Discussion	
10:30 – 10:45 am	Break	
10:45 – 11:25 am	Technical Challenges for Subsurface Contamination	Brian Looney
11:25 am – 12:00 pm	Technical Challenges for Deactivation and Decommissioning	
12:00 – 1:00 pm	Lunch	

SCFA Presentations Alpine East Ballroom		
1:00 – 1:05 pm	Technical Target #1: Improving the Technical Basis for Setting Remediation Goals No projects Technical Target #2: Methods to Verify and Validate Performance Overview	TBA
1:05 – 1:35 pm	NV01C222 – Long-Term Monitoring to Support Land Stewardship*	Paul Wang
1:35 – 2:05 pm	RL31SS20 – Vadose Zone Monitoring Hanford Site Surface Barrier*	Tom Page
2:05 – 2:35 pm	SF11SS34 – Isotopic Tracers for Tracking Migration of Rads through the Vadose Zone*	Mark Conrad
2:35 – 2:50 pm	Discussion of how technical targets #1 and #2 apply to the thrust areas	TBA
2:50 – 3:05 pm	Break	
3:05 – 3:10 pm	Technical Target #3: Organic Source Zone Stabilization and Treatment Overview	Tom Early
3:10 – 3:30 pm	OR01SS11 – Interagency DNAPL Consortium - Fractured Rock [new start]	Tom Early
3:30 – 3:50 pm	SR16PL21 – International Remediation Initiative (Poland)	Michael Heitkamp

DDFA Presentations Canyon II Room		
1:00 – 1:30 pm	Los Alamos National Laboratory Tritium Technology Deployments Large Scale Demonstration and Deployment Project (LSDDP)*	John McFee
1:30 – 2:15 pm	Idaho National Engineering and Environmental Laboratory Fuel Pools and Material Dispositioning LSDDP*	Dick Meservey
2:15 – 2:45 pm	West Valley Demonstration Project Hot Cells LSDDP*	Jim Gramling
2:45 – 3:00 pm	Break	
3:00 – 3:20 pm	Decontamination and Volume Reduction System Accelerated Site Technology Deployment (ASTD) (Los Alamos National Laboratory)*	Davis Christensen
3:20 – 3:55 pm	Los Alamos National Laboratory Transuranic Waste LSDDP*	John McFee

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3:50 - 4:10 pm	<i>SR1/SSI6</i> – ASTD - Dynamic Underground Stripping at the M-Basin	James Kupa
4:10 – 4:25 pm	Discussion of how technical target #3 applies to the thrust areas	Tom Early
4:25 pm	Recess	
4:30 – 4:45 pm	Breakout: EMSP solicitation on subsurface contamination <i>(meet in Suite 326)</i>	Beth Moore
5:00 – 7:00 pm	Poster Session for SCFA/DDFA in Alpine West Ballroom Poster session reception hosted by Interstate Technology Regulatory Cooperation (ITRC)	

3:55 – 4:40 pm	Mound Long Term Stewardship Initiative*	Don Krause
4:40 – 4:55 pm	Smart 3D Characterization ASTD	Paul Kalb
4:55 pm	Recess	
5:00 – 7:00 pm	Poster Session for SCFA/DDFA in Alpine West Ballroom Poster session reception hosted by Interstate Technology Regulatory Cooperation (ITRC)	

SCFA Presentations Alpine East Ballroom			DDFA Presentations Canyon II Room		
7:30 – 8:00 am	Continental Breakfast		7:30 – 8:00 am	Continental Breakfast	
8:00 – 8:05 am	Technical Target #4: Metals and Radionuclides Source Zone Stabilization and Treatment Overview	Jay Brown	8:00 - 9:00 am	Rocky Flats Initiative and ASTD Projects*	Dave Maloney
8:05 – 8:35 am	AL21SS31 – Treatment of Mixed Contamination in Complex Hydrologic Settings (Vadose Zone)*	Brian Dwyer			
8:35 – 8:55 am	FT10WE21 - Task N – Mercury Treatment at the Oak Ridge Y-12 Plant*	Gordon Huddleston	9:00 – 9:45 am	AEA Technologies*	Mark Morgan
8:55 – 9:15 am	FT01AR01 - Applied Research Project NT41304 – In-Situ Stabilization of Metals and Radionuclides Through Enhanced Anaerobic Reductive Precipitation	Christopher Lutes			
9:15 – 9:35 am	FT06IP01 - Industry Programs #MC33089 - Specialized Separation utilizing 3M Membrane	David Seely			
9:35 – 9:55 am	FT06IP01 - Industry Programs #NT40841 - Rad Removal from Soil (Technical Evaluation of Remediation Technologies for Pu Contaminated Soils)	Steven Hoeffner	9:45 – 10:00 am	Break	
9:55 – 10:05 am	Discussion of how technical target #4 applies to the thrust areas	Jay Brown	10:00 - 10:45 am	Robotics Crosscutting Program*	Dennis Haley

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10:05 – 10:20 am	Break				
10:20 – 10:25 am	Technical Target #5: Advanced Sustainable Containment Systems Overview	Mike Serrato			
10:25 – 10:55 am	<i>AL21SS21</i> - Engineering Design Guidance for Long-Term Cover Performance Systems*	Stephen Dwyer			
10:55 – 11:25 am	<i>SR11SS29</i> – Long Term Waste Stabilization Design for Long Term Cover System*	William Jones	10:45 – 11:55 am	Florida International University*	Leo Lagos
11:25 – 11:55 am	<i>ID02SS21</i> – Characterization of the Environmental Envelope for the Design of Long-Term Covers*	Jody Waugh			
11:55 am – 1:00 pm	Lunch		11:55 - 1:00 pm	Lunch	
1:00 – 1:30 pm	<i>AL21SS23</i> – Cover Performance Verification and Long-Term Monitoring System*	Eric Lindgren	1:00 - 1:20 pm	Intrusive and Non-intrusive Characterization through Concrete ASTD (Mound)*	Don Krause
			1:20 – 1:40 pm	Universal Demolition Processor ASTD (Fernald)*	Mark Peters
1:30 – 2:00 pm	<i>AL28C221</i> – Alternative Landfill Cover Demonstration*	Stephen Dwyer	1:40 – 2:00 pm	Integrate Excavation Control System ASTD (Fernald)*	Mike Carpenter
2:00 – 2:30 pm	<i>AL21SS22</i> – Risk Based Performance Assessment of Long-Term Cover Design for Waste Isolation & Disposal at DOE Facilities*	Cliff Ho	2:00 – 2:20 pm	Improved Measuring and Monitoring System (Fernald)*	Mark Peters
			2:20 – 2:40 pm	Demonstration and Deployment of Remotely Operated Size Reduction System (Savannah River Site)*	Bill Giddings

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2:30 – 3:00 pm	<i>OH10SS20</i> – Long Term Stewardship at Fernald*	Martin Prochaska
3:00 – 3:15 pm	Break	
3:15 – 3:45 pm	<i>SRI1SS21</i> – Long Term Cover System Functional Performance Assessment for Humid Climate*	John Gladden
3:45 – 4:05 pm	<i>NV09SS21</i> – ASTD (99) An Alternative Cover and Monitoring System	Stuart Rawlinson
4:05 – 4:35 pm	<i>OR09SS30</i> – Reactive Barrier Performance*	Libby West
4:35 – 4:55 pm	<i>FT06IP01</i> - Industry Programs # FT40363 - Subsurface Containment System	Greg Barber
4:55 – 5:10 pm	Technical Target #6: Integrated Containment Treatment Concepts No Projects Discussion of how technical targets #5 and #6 apply to the thrust areas	Mike Serrato
5:10 pm	Recess	
5:10 – 6:30 pm	Poster Session for SCFA/DDFA in Alpine West Ballroom	

2:40 – 3:00 pm	Transuranic Waste Laser Cutting System ASTD (Nevada Test Site/Los Alamos National Laboratory)*	Ed Hohman
3:00 – 3:15 pm	Break	
3:15 – 3:35 pm	Multi-agency Radiation Survey and Site Investigation Manual (MARSSIM) Innovative Characterization ASTD (Nevada Test Site)*	Jeff Smith
3:35 – 3:55 pm	F-Basin Cleanout ASTD (Hanford)*	Kim Koegler
3:55 – 4:15 pm	Remote Size Reduction for Large Hot Cells ASTD (Hanford)*	Greg Berlin
4:15 – 4:35 pm	Beryllium Monitor (SEA)*	Steven Saggesse
4:35 – 4:50 pm	Technology for Asbestos Destruction (Asbestos Recycling, Inc.)*	Cliff Carpenter
4:50 – 5:10 pm	Transmission Based Electrical Servoactuators (University of Tennessee)*	Bill Hamel
5:10 – 5:30 pm	Electro-Hydrostatic Transmission of Modular D&D Manipulators (ARM Automation)*	Derek Black
5:30 pm	Recess	

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Thursday, March 7 th				
SCFA Presentations Alpine East Ballroom			DDFA Presentations Grand Ballroom B	
7:30 – 8:00 am	Continental Breakfast		7:30 – 8:00 am	Continental Breakfast
8:00 – 8:05 am	Technical Target #7: Effective and Sustainable Technological Solutions for Contaminant Plumes No Projects Technical Target #8: Tritium Management and Risk Reduction Overview	Brian Looney	8:00 – 8:45 am	Applied Research Highlights Bob Bedick
8:05 – 8:25 am	<i>FT06IP01</i> – Industry Programs #NT41311 - Development of a Down-Hole Tritium Monitor	Thomas Carnahan		
8:25 – 8:45 am	<i>FT01AR01</i> – Applied Research Project #NT41301 – Development of an In Situ Monitoring System for Tritium in the Groundwater and the Vadose Zone	James Santo	8:45 - 9:15 am	New ASTD Projects Cliff Carpenter
8:45 – 8:55 am	Discussion of how technical targets #7 and #8 apply to the thrust areas	Brian Looney		
8:55 – 9:00 am	Technical Target #9: Subsurface Access and Delivery Overview	Scott Petersen		
9:00 – 9:20 am	<i>FT06IP01</i> – Industry Programs #NT41187 - Enhanced Access Penetration System	James Shinn		
9:20 – 9:25 am	Technical Target #10: Techniques and Technologies that Support Characterization Overview	TBA	9:15 – 10:00 am	EMSP Highlights Larry Whitmill

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9:25 – 9:45 am	<i>NV01C221</i> – Implementation of Geophysical Techniques for DNAPL Delineation [new TTP]*	Paul Wang			
9:45 – 10:00 am	Break				
10:00 – 10:30 am	<i>SF11SS13</i> – Mapping DNAPL Transport and Contamination in Sedimentary and Fractured Rock Aquifers with High Resolution Borehole Seismic Imaging*	Jil Geller	10:00 – 10:15 am	Break	
10:30 – 10:50 am	<i>FT06IP01</i> - Industry Programs #FT40369 - Non-Invasive Determination of the Location and Distribution of DNAPLs by Seismic Reflection Technology	Michael Waddell	10:15 - 10:45 am	Completed LSDDPs	Steve Bossart
10:50 – 11:20 am	OR01SS13 – Novel Hotpoint DNAPL Detector for Subsurface Analyses*	Brian Spalding	10:45 - 11:15 am	SBIR Highlights	Vijendra Kothari
11:20 – 11:40 am	TTP# - Industry Programs #IA93025 – Field Demonstration of Xenon Spectral Gamma Detector	John Ballard	11:15 - 11:45 am	International Activities (JCCRM/JCCEM)	Steve Bossart
11:40 – 11:50 am	Discussion of how technical targets #9 and #10 apply to the thrust areas	Scott Petersen	11:45 – 12:00	Highly Selective Nuclide Removal System ASTD	John Pickett
11:50 – 1:00 pm	Lunch		12:00 – 1:00 pm	Lunch	

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1:00 – 1:10 pm	Technical Target #11: Biogeochemical Processes that Determine Contaminant Fate Overview Technical Target #12: Strongly Heterogeneous Systems No Projects Technical Target #13: Advanced Environmental Modeling Overview	Terry Hazen	1:00 – 1:15 pm	Broad Agency Announcement for Applied Research	Bob Bedick
1:10 – 1:30 pm	<i>RL31SS31</i> – Hanford Vadose Zone Characterization (Flow & Transport Processes) [new start]*	Anderson Ward	1:15 – 1:30 pm	DDFA Technology Assistance to the 9/11 Disaster Sites	Bruce Lippy
1:30 – 1:50 pm	<i>FT10WE21 - Task M</i> – Determination of Conditions that Influence Uranium Movement in the Hanford 200 Area*	Mary North-Abbott	1:30 – 1:50 pm	Technical Assistance	Steve Bossart
1:50 – 2:20 pm	<i>RL35C223</i> – JCCEM Contaminant Transport Studies	Adam Hutter and Signe Wurstner	1:50 – 2:10 pm	Non-Nuclear Commercial Technologies With Application to DOE's Deactivation and Decommissioning Projects	Thea Reilkoff
2:20 – 2:50 pm	International Programs related to fate and transport, Environmental Modeling and LTS activities	Boris Faybishenko	2:10 – 2:40 pm	Deployment Assistance, Human Factors Assessments, and Other Miscellaneous Projects	Cliff Carpenter
2:50 – 3:00 pm	Discussion of how technical targets #11-13 apply to the thrust areas	Terry Hazen	2:40 – 3:00 pm	Occupational Safety and Health Policy Statement	Mary Jenison

3:00 – 3:30 pm	Joint DDFA and SCFA Closing Comments	Bob Bedick and JimWright
3:30 pm	Adjourn	

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